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Manufacturers' Shipments, Inventories, and Orders

FORMERLY INDUSTRY SURVEY

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Effective with the October 1963 report, the Bureau of the Census is issuing the monthly report on Manufacturers' Shipments, Inventories, and Orders which was previously published by the Office of Business Economics under the title "Industry Survey." The data in this new series are based on an extensive modification of the monthly Industry Survey program. A detailed explanation of the major changes made in the survey, as well as revised data for prior periods, are presented in a comprehensive report, "Manufacturers' Shipments, Inventories, and Orders: 1947-1963 Revised." This comprehensive report may be purchased for \$1.00 per copy from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Manufacturers' shipments in December increased 2 percent from November after seasonal adjustment, with much of the rise occurring in the nondurable goods industries, the U.S. Department of Commerce announced today. New orders increased 1 percent while the end of December backlog of unfilled orders declined \$400 million to \$49.7 billion, seasonally adjusted. Inventories held by manufacturers increased less than 1 percent in December to a seasonally adjusted level of \$60.0 billion.

Shipments by durable goods manufacturers remained at the seasonally adjusted November level of \$18.3 billion according to the Department's Bureau of the Census. The increase in shipments in the primary metals and the machinery industries was offset by a decline in the transportation industries group.

Shipments of nondurable goods totaled \$17.5 billion in December, up 5 percent from the November level. All nondurable industry groups showed increases during the month.

New orders booked by the durable goods manufacturers declined to \$17.7 billion in December a decrease of 2 percent from November. This decline reflected almost entirely a drop in orders in the aircraft industry. Appreciable increases occurred in machinery while bookings for most other durable goods industries showed relative small changes.

The December backlog of unfilled orders for the durable goods industries, declined 1 percent to \$46.6 billion, after seasonal adjustment. Much of this decline was also centered in the aircraft and parts industry.

In terms of market groupings, only the "automotive equipment" and "construction materials, supplies, and intermediate products" categories showed declines in shipments and new orders.

Prepared by Bureau of the Census, Industry Division, Manufacturers' Shipments, Inventories, and Orders Branch

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Annual subscription \$1.00; 35 cents additional for foreign mailing. Single copies available from the U.S. Department of Commerce, Bureau of the Census, Washington, D.C. 20233, at 10 cents each.



U. S. DEPARTMENT OF COMMERCE Luther H. Hodges, Secretary

BUREAU OF THE CENSUS Richard M. Scommon, Director

Table 1.--VALUE OF MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS, BY INDUSTRY GROUP: DECEMBER 1963

(Millions of dollars)

Industry group	Seasonally adjusted			Without seasonal adjustment ¹			Seasonally adjusted			Without seasonal adjustment		
	Dec. 1963 ^P	Nov. 1963 ^P	Oct. 1963	Dec. 1963 ^P	Nov. 1963 ^P	Dec. 1962	Dec. 1963 ^P	Nov. 1963 ^P	Oct. 1963	Dec. 1963 ^P	Nov. 1963 ^P	Dec. 1962
	Shipments						Total inventories					
All manufacturing industries, total...	35,759	35,004	35,214	34,352	35,377	31,603	60,008	59,780	59,322	59,607	59,445	57,419
Durable goods industries, total.....	18,266	18,272	18,590	17,919	18,457	16,489	35,938	35,704	35,581	35,474	35,359	33,891
Stone, clay, and glass products.....	958	977	986	803	960	745	1,503	1,535	1,517	1,479	1,482	1,469
Primary metals, total.....	2,971	2,892	2,904	2,735	2,852	2,495	5,882	5,903	5,861	6,023	5,979	6,013
Blast furnaces, steel mills.....	1,563	1,512	1,469	1,399	1,468	1,268	3,513	3,532	3,500	3,664	3,617	3,680
All other primary metals.....	1,408	1,380	1,435	1,336	1,384	1,227	2,369	2,371	2,361	2,359	2,362	2,333
Fabricated metal products, total.....	1,909	1,913	1,943	1,805	1,881	1,676	4,001	3,917	3,913	3,799	3,762	3,665
Metal cans, barrels, and drums.....	198	208	210	165	177	155	428	418	411	357	364	332
Machinery, except electrical, total.....	2,613	2,582	2,615	2,544	2,470	2,299	6,888	6,839	6,800	6,802	6,730	6,405
Engines and turbines.....	185	160	163	205	148	179	459	457	451	458	464	442
Farm machinery and equipment.....	235	244	246	182	175	187	653	640	643	663	617	638
Construction, mining, and material handling equipment.....	475	482	476	436	451	355	1,206	1,182	1,171	1,196	1,153	1,162
Metalworking machinery.....	167	176	166	175	176	189	675	680	670	660	672	601
General industrial machinery.....	191	196	193	184	192	176	495	490	488	486	480	477
Electrical machinery, total.....	2,398	2,369	2,385	2,458	2,484	2,329	5,036	5,066	5,043	4,926	4,947	4,792
Electrical transmission and distribution equipment and industrial apparatus.....	510	515	489	536	515	505	1,175	1,183	1,173	1,160	1,157	1,138
Household appliances, including radio and TV.....	548	540	554	500	587	465	1,157	1,126	1,116	1,113	1,059	966
Communication equipment.....	581	571	579	635	588	602	1,279	1,315	1,316	1,269	1,311	1,349
Transportation equipment, total.....	4,830	4,966	5,158	5,159	5,221	4,722	7,329	7,220	7,256	7,249	7,305	6,730
Motor vehicles and parts.....	3,100	3,234	3,362	3,362	3,512	3,078	2,605	2,595	2,636	2,636	2,660	2,442
Aircraft and parts.....	1,374	1,374	1,392	1,463	1,381	1,332	3,865	3,790	3,789	3,779	3,801	3,475
Instruments and related products.....	568	594	589	612	610	611	1,473	1,452	1,454	1,441	1,449	1,337
All other durable goods industries.....	2,019	1,979	2,010	1,803	1,979	1,612	3,826	3,772	3,737	3,755	3,705	3,482
Nondurable goods industries, total.....	17,493	16,732	16,624	16,433	16,920	15,114	24,070	24,076	23,741	24,133	24,086	23,528
Food and kindred products, total.....	6,190	5,961	5,870	5,910	5,983	5,403	6,034	6,060	6,057	6,349	6,434	6,395
Meat products.....	1,443	1,402	1,320	1,430	1,371	1,380	604	602	603	618	626	587
Tobacco products.....	403	379	384	393	394	362	2,330	2,345	2,317	2,430	2,357	2,494
Textile mill products.....	1,433	1,400	1,363	1,329	1,456	1,182	2,904	2,895	2,800	2,820	2,766	2,531
Paper and allied products, total.....	1,395	1,366	1,373	1,286	1,359	1,234	1,794	1,772	1,757	1,760	1,742	1,660
Pulp, paper, etc.....	614	604	614	564	603	535	686	678	669	681	675	664
Chemicals and allied products, total.....	2,657	2,578	2,576	2,384	2,509	2,193	3,794	3,769	3,734	3,821	3,710	3,625
Industrial chemicals, except pigments...	848	856	843	784	828	759	1,172	1,120	1,103	1,167	1,101	1,096
Petroleum and coal products.....	1,462	1,409	1,428	1,507	1,424	1,416	1,735	1,795	1,788	1,750	1,828	1,823
Rubber and plastics products, n.e.c.....	833	781	794	782	763	668	1,150	1,167	1,159	1,141	1,149	1,133
All other nondurable goods industries.....	3,120	2,858	2,836	2,842	3,032	2,656	4,329	4,273	4,129	4,062	4,100	3,867
	New orders						Unfilled orders					
All manufacturing industries, total...	35,272	34,953	35,354	33,729	35,174	32,213	49,699	50,132	50,140	49,053	49,696	46,242
Durable goods industries, total.....	17,705	18,113	18,622	17,370	18,140	17,289	46,588	47,076	47,169	46,103	46,684	43,666
Primary metals, total.....	2,927	2,964	3,013	2,848	2,964	2,503	3,930	3,930	3,859	3,897	3,784	3,728
Blast furnaces, steel mills.....	1,460	1,529	1,590	1,490	1,515	1,343	2,130	2,193	2,172	2,141	2,050	2,063
Fabricated metal products.....	1,912	1,858	1,910	1,674	1,782	1,516	4,060	4,059	4,104	3,899	4,031	3,796
Machinery, except electrical, total.....	2,709	2,617	2,669	2,583	2,471	2,226	7,030	6,933	6,884	6,851	6,812	6,159
Engines and turbines.....	156	150	157	174	138	207	1,301	1,354	1,355	1,308	1,339	1,346
Construction, mining, and material handling equipment.....	506	494	470	489	430	318	1,257	1,203	1,206	1,190	1,137	1,009
Metalworking machinery.....	212	186	217	218	179	184	1,001	949	938	979	936	750
General industrial machinery.....	228	193	194	198	190	173	514	486	485	495	478	437
Electrical machinery, total.....	2,435	2,477	2,410	2,401	2,368	2,334	7,089	7,111	7,058	6,999	7,086	6,882
Electrical transmission and distribution equipment and industrial apparatus.....	619	542	530	607	508	503	1,631	1,562	1,559	1,612	1,571	1,414
Household appliances, including radio and TV.....	583	553	564	513	577	460	449	421	395	422	408	335
Communication equipment.....	444	594	550	488	509	607	3,246	3,426	3,431	3,269	3,416	3,508
Transportation equipment, total.....	4,260	4,680	5,094	4,835	5,136	5,823	19,371	19,869	20,060	19,658	19,982	18,337
Aircraft and parts.....	777	1,189	1,272	1,038	1,219	2,288	14,437	14,985	15,189	14,695	15,121	13,817
All other durable goods industries.....	3,462	3,517	3,526	3,029	3,419	2,887	5,108	5,174	5,204	4,799	4,989	4,764
Nondurable goods industries, total.....	17,567	16,840	16,732	16,359	17,034	14,924	3,111	3,056	2,971	2,950	3,012	2,576
Industries with unfilled orders.....	4,771	4,635	4,528	4,360	4,770	3,740	3,111	3,056	2,971	2,950	3,012	2,576
Industries without unfilled orders.....	12,796	12,205	12,204	11,999	12,264	11,184	...	...	...	...	...	...

^PPreliminary¹Revised.¹Adjusted for trading-day and calendar month variation.

Table 2.--VALUE OF MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS, FOR MARKET CATEGORIES AND SUPPLEMENTARY SERIES: DECEMBER 1963

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(Millions of dollars)

Item	Seasonally adjusted			Without seasonal adjustment ¹			Seasonally adjusted			Without seasonal adjustment		
	Dec. 1963 ^P	Nov. 1963 ^T	Oct. 1963	Dec. 1963 ^P	Nov. 1963 ^T	Dec. 1962	Dec. 1963 ^P	Nov. 1963 ^T	Oct. 1963	Dec. 1963 ^P	Nov. 1963 ^T	Dec. 1962
	Shipments						Total inventories					
All manufacturing industries, total...	35,759	35,004	35,214	34,352	35,377	31,603	60,008	59,780	59,322	59,607	59,445	57,419
Durable goods industries, total.....	18,266	18,272	18,590	17,919	18,457	16,489	35,958	35,704	35,581	35,474	35,359	33,891
Nondurable goods industries, total.....	17,493	16,732	16,624	16,433	16,920	15,114	24,070	24,076	23,741	24,133	24,086	23,528
Market categories:												
Home goods and apparel.....	3,421	3,169	3,207	2,973	3,362	2,801	6,345	6,321	6,179	6,031	5,990	5,662
Consumer staples.....	7,728	7,382	7,288	7,358	7,434	6,716	9,545	9,571	9,502	9,930	9,913	9,904
Equipment and defense products, except automotive.....	4,364	4,286	4,376	4,452	4,206	4,188	12,345	12,277	12,189	12,118	12,138	11,609
Automotive equipment.....	3,500	3,635	3,797	3,708	3,875	3,392	3,233	3,200	3,258	3,250	3,257	3,019
Construction materials, supplies, and intermediate products.....	2,798	2,907	2,933	2,523	2,839	2,314	5,265	5,189	5,135	5,132	5,055	4,914
Other materials and supplies and intermediate products.....	13,948	13,625	13,613	13,338	13,661	12,192	23,275	23,222	23,059	23,146	23,092	22,311
Supplementary series: ²												
Consumer durables.....	1,420	1,356	1,368	1,275	1,439	1,199	2,973	2,923	2,923	2,885	2,799	2,640
Defense products.....	2,139	2,132	2,167	2,272	2,156	2,125	5,444	5,502	5,490	5,554	5,496	5,239
Machinery and equipment industries.....	3,318	3,258	3,293	3,357	3,232	3,089	8,499	8,485	8,395	8,560	8,366	7,965
	New orders						Unfilled orders					
All manufacturing industries, total...	35,272	34,953	35,354	33,729	35,174	32,213	49,699	50,132	50,140	49,053	49,696	46,242
Durable goods industries, total.....	17,705	18,113	18,622	17,370	18,140	17,289	46,588	47,076	47,169	46,103	46,684	43,666
Nondurable goods industries, total.....	17,567	16,840	16,732	16,359	17,034	14,924	3,111	3,056	2,971	2,950	3,012	2,576
Market categories:												
Home goods and apparel.....	3,433	3,136	3,199	2,882	3,347	2,691	1,974	1,945	1,977	1,872	1,949	1,663
Consumer staples.....	7,739	7,371	7,298	7,360	7,432	6,720						
Equipment and defense products, except automotive.....	3,914	4,289	4,069	3,911	4,054	4,859	26,084	26,502	26,483	25,963	26,473	24,627
Automotive equipment.....	3,473	3,611	3,806	3,736	3,987	3,531						
Construction materials, supplies, and intermediate products.....	2,687	2,807	2,938	2,357	2,664	2,190	4,959	5,017	5,111	4,679	4,845	4,602
Other materials and supplies and intermediate products.....	14,026	13,739	14,044	13,483	13,690	12,222	16,682	16,668	16,569	16,539	16,429	15,350
Supplementary series: ²												
Consumer durables.....	1,473	1,387	1,379	1,238	1,424	1,130	1,398	1,352	1,313	1,297	1,333	1,106
Defense products.....	1,359	1,968	1,922	1,639	1,903	3,086	18,634	19,429	19,625	18,894	19,527	18,393
Machinery and equipment industries.....	3,588	3,273	3,441	3,539	3,180	3,046	11,167	10,928	10,931	10,963	10,812	9,655

^PPreliminary^TRevised.¹Shipments and new orders adjusted for trading-day and calendar month variation; unfilled orders and inventories as of end of month.²The composition of these supplementary series are as follows:

Consumer durables - Household furniture; kitchen articles and pottery; cutlery, handtools, hardware, household appliances; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Defense products - Communication equipment, complete aircraft, aircraft parts, and ordnance.

Machinery and equipment industries - Machinery, except electrical (excluding farm machinery and equipment and machine ships), electric machinery (excluding household appliances, communication equipment and electronic components), ship building and repairing, and railroad and street car equipment.

Table 3. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP: DECEMBER 1963

(Based on seasonally adjusted data)

Industry group	Inventories - shipments ratio				Unfilled orders - shipments ratio ¹ (months' backlog)			
	Dec. 1963 ^P	Nov. 1963 ^P	Oct. 1963	Dec. 1962	Dec.. 1963 ^P	Nov. 1963 ^P	Oct. 1963	Dec. 1962
All manufacturing industries, total.....	1.68	1.71	1.68	1.75	2.39	2.44	2.43	2.35
Durable goods industries, total.....	1.97	1.95	1.91	2.04	2.88	2.92	2.90	2.82
Stone, clay, and glass products.....	1.57	1.57	1.54	1.68	...	...	...	...
Primary metals.....	1.98	2.04	2.02	2.17	1.32	1.36	1.33	1.40
Fabricated metals.....	2.10	2.05	2.01	2.19	2.37	2.38	2.37	2.35
Machinery, except electrical.....	2.64	2.65	2.60	2.75	2.69	2.69	2.63	2.64
Electrical machinery.....	2.10	2.14	2.11	2.16	2.96	3.00	2.96	3.02
Transportation equipment.....	1.52	1.45	1.41	1.52	6.29	6.37	6.31	5.84
Instruments and related products.....	2.59	2.44	2.47	2.38	...	...	...	...
Nondurable goods industries, total.....	1.38	1.44	1.43	1.45	0.67	0.69	0.68	0.66
Food and kindred products.....	0.97	1.02	1.03	1.08	...	...	...	...
Tobacco products.....	5.78	6.19	6.03	6.44	...	...	...	...
Textile mill products.....	2.03	2.07	2.05	2.04	...	...	...	...
Paper and allied products.....	1.29	1.30	1.28	1.26	...	...	...	...
Chemicals and allied products.....	1.43	1.46	1.45	1.47	...	...	...	...
Petroleum and coal products.....	1.19	1.27	1.25	1.32	...	...	...	...
Rubber and plastics products, n.e.c.....	1.38	1.49	1.46	1.60	...	...	...	...

^PPreliminary.^RRevised.¹Excludes the following industries with no unfilled order backlogs: Wooden containers, glass containers, metal cans, barrels and drums; motor vehicle assembly operations; foods and related products; tobacco; apparel and related products; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

Table 4.--VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP: DECEMBER 1963

(Millions of dollars)

Industry group	Seasonally adjusted			Without seasonal adjustment			Seasonally adjusted			Without seasonal adjustment		
	Dec. 1963 ^P	Nov. 1963 ^P	Oct. 1963	Dec. 1963 ^P	Nov. 1963 ^P	Dec. 1962	Dec. 1963 ^P	Nov. 1963 ^P	Oct. 1963	Dec. 1963 ^P	Nov. 1963 ^P	Dec. 1962
	Total						Materials and supplies					
All manufacturing industries, total...	60,008	59,780	59,322	59,607	59,445	57,419	20,566	20,706	20,722	20,870	20,733	20,659
Durable goods industries, total.....	35,938	35,704	35,581	35,474	35,359	33,891	10,808	10,880	10,878	10,873	10,952	10,637
Stone, clay, and glass products.....	1,503	1,535	1,517	1,479	1,482	1,469	487	496	492	490	501	505
Primary metals.....	5,882	5,903	5,861	6,023	5,979	6,013	2,230	2,256	2,251	2,363	2,395	2,472
Machinery (electrical and nonelectrical)..	11,924	11,905	11,843	11,729	11,677	11,195	2,989	2,992	2,954	2,969	2,927	2,946
Transportation equipment.....	7,329	7,220	7,256	7,249	7,305	6,730	1,960	1,960	1,989	1,950	1,992	1,787
All other durable goods industries.....	9,300	9,141	9,104	8,994	8,916	8,484	3,142	3,176	3,192	3,101	3,137	2,927
Nondurable goods industries, total.....	24,070	24,076	23,741	24,133	24,086	23,528	9,758	9,826	9,844	9,997	9,781	10,022
Chemicals and allied products.....	3,794	3,769	3,734	3,821	3,710	3,625	1,318	1,316	1,317	1,347	1,316	1,303
Petroleum and coal products.....	1,735	1,795	1,788	1,750	1,828	1,823	322	348	359	327	343	376
Rubber and plastics products, n.e.c.....	1,150	1,167	1,159	1,141	1,149	1,133	364	358	367	363	348	360
All other nondurable goods industries.....	17,391	17,345	17,060	17,421	17,399	16,947	7,754	7,804	7,801	7,960	7,774	7,983
	Work in process						Finished goods					
All manufacturing industries, total...	18,347	18,076	17,983	17,902	17,980	17,072	21,095	20,998	20,617	20,835	20,732	19,688
Durable goods industries, total.....	14,848	14,648	14,639	14,556	14,592	13,881	10,282	10,176	10,064	10,045	9,815	9,373
Stone, clay, and glass products.....	192	189	182	177	171	188	824	850	843	812	810	776
Primary metals.....	1,890	1,882	1,845	1,894	1,864	1,820	1,762	1,765	1,765	1,766	1,720	1,721
Machinery (electrical and nonelectrical)..	5,231	5,260	5,288	5,144	5,209	4,952	3,704	3,653	3,601	3,616	3,541	3,297
Transportation equipment.....	4,458	4,363	4,386	4,416	4,417	4,136	911	897	881	883	896	807
All other durable goods industries.....	3,077	2,954	2,938	2,925	2,931	2,785	3,081	3,011	2,974	2,968	2,848	2,772
Nondurable goods industries, total.....	3,499	3,428	3,344	3,346	3,388	3,191	10,813	10,822	10,553	10,790	10,917	10,315
Chemicals and allied products.....	551	545	541	552	540	511	1,925	1,908	1,876	1,922	1,854	1,811
Petroleum and coal products.....	394	392	371	376	386	368	1,019	1,055	1,058	1,047	1,099	1,079
Rubber and plastics products, n.e.c.....	184	179	178	179	182	171	602	630	614	599	619	602
All other nondurable goods industries.....	2,370	2,312	2,254	2,259	2,280	2,141	7,267	7,229	7,005	7,222	7,345	6,823

^PPreliminary.^RRevised.